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SPECIFICATION AMENDMENTS

Please amend the ABSTRACT as follows:

Described herein is technology for inserting and detecting watermarks in signals, such as a music clip. The watermark identifies the content-producer, providing a signature that is embedded in the audio-signal and cannot be removed. The watermark is designed to survive all typical kinds of processing and malicious attacks. In one described implementation, a watermarking system employs chess spread-spectrum sequences (i.e., "chess watermarks") to improve the balance of positive and negative chips in the watermarking sequences. The balance is not imposed in an orderly fashion, which might make the watermark sequence more easily-detectable to an attacker, but in a pseudo-random fashion. In that way, better sequence balance is achieved while preserving its randomness for an attacker without knowledge of the keys. In another described implementation, a watermarking system employs an energy-level trigger to determine whether to skip encoding of a portion of a watermark within a given time span of an audio a clip. If a large discrepancy in energy levels exists over a given time frame, then the frame is not watermarked, to avoid audible

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time-dispersion of artifacts due to spectral modifications (which are similar to "pre-ccho" effects in audio coding). In another described implementation, a watermarking system begins encoding of a watermark at a variable position after the beginning of an audio a clip.

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Please amend lines 1-12 on page 15:

In addition, the following co-pending patent application is applications—are incorporated by reference herein: U.S. Patent Application Serial No. 09/316,899, entitled "Audio Watermarking with Dual Watermarks" filed on May 22, 1999, and assigned to the Microsoft Corporation. Corporation; and

U.S. Patent Application Serial No. 09/259,669, entitled "A System and Method for Producing Modulated Complex Lapped Transforms" filed on February 26, 1999, and assigned to the Microsoft-Corporation.

The following U.S. Patent is incorporated by reference-herein: U.S. Patent No. 6,029,126, entitled "Scalable Audio Coder and Decoder" issued on February 22, 2000, and assigned to the Microsoft Corporation.

The following commonly owned (by the Microsoft Corporation)

U.S. Patents are incorporated by reference herein:

- U.S. Patent No. 6,029,126, entitled "Scalable Audio Coder and Decoder" issued on February 22, 2000;
- U.S. Patent No. 6,487,574, entitled "A System and Method for Producing Modulated Complex Lapped Transforms" issued on November 26, 2002.